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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/732,294	12/08/2000	Alanen Kimmo	367.39383X00	2671
20457	7590	07/26/2004	EXAMINER	
ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-9889			VU, KIEU D	
			ART UNIT	PAPER NUMBER
			2173	

DATE MAILED: 07/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/732,294	<b>Applicant(s)</b> KIMMO ET AL.	
	<b>Examiner</b> Kieu D Vu	<b>Art Unit</b> 2173	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 24 June 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-14 and 16-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 and 16-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-14 and 16-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lahtinen et al ("Lahtinen", WO 99/35595) and Grant ("Grant", USP 5854624).

Regarding claims 1 and 14, Lahtinen teaches a portable telecommunication apparatus for requesting the download of pages of information from a remote source comprising (page 1, lines 3-6): means for receiving the pages of information including encoded information identifying links to other pages (page 3, lines 22-28); a display for displaying the received page (telephone 1); and a fixed location input key (input key of telephone 1). Lahtinen does not teach the associating the fixed location input key with the linked page such that actuation of the fixed location input key during the display period requests the respective linked page for download from the remote source. However, such feature is known in the art as taught by Grant. Grant teaches pocket-sized user interface for Internet browser terminals which comprises preprogrammed keys to download web page (Fig. 5, col 5, lines 41-67). Grant also teaches the display labeling at predefined position 54. It would have been obvious to one of ordinary skill in the art, having the teaching of Lahtinen and Grant before him at the time the invention

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was made, to modify the interface system taught by Lahtinen to include preprogrammed keys taught by Grant with the motivation being to quickly and conveniently browse the Internet.

Regarding claims 2 and 16, Grant teaches that each fixed location input key is associated with a linked page (col 5, lines 41-44).

Regarding claim 3, Lahtinen teaches the display period is the duration of the display of the received page (page 2, lines 17-21).

Regarding claim 4, Lahtinen teaches that the fixed location input key is a dedicated key (input key of telephone 1).

Regarding claim 5, Lahtinen teaches a group of alphanumeric keys provided for dialing (input key of telephone 1).

Regarding claim 6, Grant teaches the fixed location input key is a touch-sensitive area of the display (col 4, lines 33-35).

Regarding claims 7 and 17, Grant teaches a caption indicative of the linked page is provided in close proximity to the fixed location input key (col 4, lines 41-49).

Regarding claims 8 and 18, Grant teaches the caption is provided immediately above the input key (area 54 in Fig. 3).

Regarding claims 9 and 19, Grant teaches the remote source is a computer capable of connection to the World Wide Web (WWW) (Fig. 2).

Regarding claim 10, Lahtinen teaches a markup language decoder (page 2, lines 14-19).

Regarding claim 11, Lahtinen teaches the association between the fixed location input key and the link is achieved by a tag (page 3, lines 30-31).

Regarding claim 12, Lahtinen and Grant do not teach that the apparatus is arranged to be mountable in a vehicle. However, Grant teaches the attachment means for attaching keypad to a surface, it would have been obvious to one of ordinary skill in the art, having the teaching of Lahtinen and Grant before him at the time the invention was made, to modify the interface system taught by Lahtinen and Grant to mount the device in a vehicle with the motivation being to enhance the application of the device.

Regarding claim 13, Lahtinen teaches the apparatus is a portable wireless telecommunication apparatus (telephone 1).

3. Applicant's arguments filed 6/24/04 have been fully considered but they are not persuasive.

In response to Applicant's argument "[i]t is submitted.....but none of the functions provided by the keys of group 62 clearly teaches how a URL is accessed with any of the keys in group 62," it is noted that such is not quite the case. Column 1, lines 8-12 shows that the invention includes "the convergence of computer technology" "to a pocket-sized user interface for Internet Browser Terminal." Column 1, lines 26-28 teaches "[s]urfing the Net describes a person exploring the vast data resources available on the Internet via "Internet browser". Internet browsers are software applications that specially designed to allow users to browse, view, download and otherwise manipulate the data available on the Internet." Since Carpal tunnel syndrome has been linked to long-term use of computer keyboard, the invention is to configure an interface that would be held in one's hand, laid on one's lap, or strapped around one's wrist to eliminate the hazard of acquiring CTS while surfing the Net (column 2, lines 21-44). From the cited portion, it is clear that although the size of Grant's User Interface is reduced to be held in user's

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hand, Grant's User Interface still has full functionalities of a Internet Browser Terminal (see title of the Grant's invention) which allow user to browse, view, or download data while surfing the Net. Grant further teaches that his Pocket-sized User Interface for Internet Browser Terminals includes "keys or touch-pads corresponding to the pre-programmed functions used by the browser" (line 67 of col 1 to line 2 of col 2), i.e. functions of browsing (accessing URL), viewing, and downloading data from the Internet.

In response to Applicant's argument "a person of ordinary skill in the art would not consider ....," it is noted that such is not quite the case. Various buttons in the navigating group 62 in Grant teaching read on this limitation. For example, since "Home" button may return the user to a pre-selected home page (col 5, lines 44-45), it is interpreted that Grant teaches "associating ("pre-programming" in Grant) the input key ("Home" button in Grant) with the encoded information (URL address of the pre-selected home page in Grant) identifying a respective linked page ("pre-selected home page" in Grant) during a display period such that the actuation of the input key during the display period requests the respective linked page for download from the remote source ("return the user to the pre-selected home page" in Grant). Another example, the teaching of "Reload" button may reload current web page again" (col 5, lines 54) can be interpreted as "associating ("pre-programming" in Grant) the input key ("Reload" button in Grant) with the encoded information (URL address of current web page in Grant) identifying a respective linked page ("current web page" in Grant) during a display period such that the actuation of the input key during the display period requests the respective linked

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page for download from the remote source ("reload the current web page again" in Grant).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kieu D. Vu whose telephone number is (703-605-1232).

The examiner can normally be reached on Mon - Thu from 7:00AM to 3:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca, can be reached on (703- 308-3116).

The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

(703)-872-9306

and / or:


(703)-746-5639 (use this FAX #, only after approval by Examiner, for

"INFORMAL" or "DRAFT" communication. Examiners may request that a formal paper / amendment be faxed directly to them on occasions)

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703-305-3900).

Kieu D. Vu

07/20/04

  
RAYMOND J. BAYERL  
PRIMARY EXAMINER  
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